

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A transmitting apparatus for converting a coded bit stream into a trick play output and sending the coded bit stream to a transmission path, comprising:

accumulating means for accumulating the coded bit stream including an intra-frame coded picture, a forward predictive-coded picture, and a bidirectionally predictive-coded picture;

demultiplexing means for demultiplexing the coded bit stream accumulated in the accumulating means;

output control means for controlling an output of the coded bit stream in an output mode corresponding to a designated trick play operation;

rewriting means for rewriting control data which specifies a displaying order of the pictures with respect to said coded bit stream, and rewriting control data that specifies an accumulation amount of a virtual input buffer of a decoder in a picture header to an invalid value;

picture forming means for forming a picture obtained by copying a predetermined picture;

multiplexing means for multiplexing the coded bit stream for which the control data has been rewritten; and

output means for outputting a picture whose control data has been rewritten and said formed picture in accordance with the control of said output control means.

Claim 2 (Original): An apparatus according to claim 1, wherein said predetermined picture is the intra-frame coded picture or the forward predictive-coded picture, the copied

picture is outputted as a skip P picture having a structure such that macroblocks other than macroblocks at both ends of a slice are skipped.

Claims 3-6 (Canceled).

Claim 7 (Currently Amended): A transmission system of image information,  
comprising:

accumulating means for accumulating a coded bit stream including an intra-frame coded picture, a forward predictive-coded picture, and a bidirectionally predictive-coded picture;

demultiplexing means for demultiplexing the coded bit stream accumulated in the accumulating means;

output control means for controlling an output of the coded bit stream in an output mode corresponding to a designated trick play operation;

rewriting means for rewriting control data which specifies a displaying order of the pictures with respect to said coded bit stream, and rewriting control data that specifies an accumulation amount of a virtual input buffer of a decoder in a picture header to an invalid value;

picture forming means for forming a picture obtained by copying a predetermined picture;

multiplexing means for multiplexing the coded bit stream for which the control data has been rewritten;

output means for outputting a picture whose control data has been rewritten and the formed picture as trick play output data in accordance with the control of said output control means;

a digital interface connected to said output means; and  
an apparatus for recording or displaying the trick play output data received through said digital interface.

Claim 8 (Currently Amended): A transmitting method of image information for converting a coded bit stream into a trick play output and sending the coded bit stream to a transmission path, comprising:

accumulating a coded bit stream including an intra-frame coded picture, a forward predictive-coded picture, and a bidirectionally predictive-coded picture;

demultiplexing the accumulated coded bit stream;

controlling an output of the coded bit stream in an output mode corresponding to a designated trick play operation;

rewriting control data which specifies a displaying order of the pictures with respect to said coded bit stream;

rewriting control data that specifies an accumulation amount of a virtual input buffer of a decoder in a picture header to an invalid value;

forming a picture obtained by copying a predetermined picture;

multiplexing the coded bit stream for which the control data has been rewritten; and

outputting a picture whose control data has been rewritten and said formed picture in accordance with said output control.

Claim 9 (Previously Presented): The transmitting apparatus according to Claim 1, wherein the picture formed by the image forming means represents an entire frame of the coded bit stream.

Claim 10 (Previously Presented): The transmitting system according to Claim 7, wherein the picture formed by the image forming means represents an entire frame of the coded bit stream.

Claim 11 (Previously Presented): The transmitting method according to Claim 8, wherein the image of said forming represents an entire frame of the coded bit stream.

Claim 12 (Currently Amended): A transmitting apparatus for converting a coded bit stream into a trick play output and sending the coded bit stream to a transmission path, comprising:

a memory configured to accumulate the coded bit stream including an intra-frame coded picture, a forward predictive-coded picture, and a bidirectionally predictive-coded picture;

a demultiplexer configured to demultiplex the coded bit stream accumulated in the memory;

a controller configured to control an output of the coded bit stream in an output mode corresponding to a designated trick play operation;

a rewriting module configured to rewrite control data which specifies a displaying order of the pictures with respect to said coded bit stream;

a rewriting module configured to rewrite control data that specifies an accumulation amount of a virtual input buffer of a decoder in a picture header to an invalid value;

picture forming module configured to form a picture obtained by copying a predetermined picture;

a multiplexer configured to multiplex the coded bit stream for which the control data has been rewritten; and

an output configured to output a picture whose control data has been rewritten and said formed picture in accordance with the control of said output control means.

Claim 13 (Previously Presented): An apparatus according to claim 1, wherein the coded bit stream is output by a slow operation by removing the bidirectionally predictive-coded picture and repeating output processes such that after the intra-frame coded picture and the forward predictive-coded picture which repetitively appear at intervals (m), the copied pictures of the number larger than said (m) are outputted.

Claim 14 (Previously Presented): The transmitting system according to Claim 7, wherein the coded bit stream is output by a slow operation by removing the bidirectionally predictive-coded picture and repeating output processes such that after the intra-frame coded picture and the forward predictive-coded picture which repetitively appear at intervals (m), the copied pictures of the number larger than said (m) are outputted.

Claim 15 (Previously Presented): The transmitting method according to Claim 8, wherein the coded bit stream is output by a slow operation by removing the bidirectionally predictive-coded picture and repeating output processes such that after the intra-frame coded picture and the forward predictive-coded picture which repetitively appear at intervals (m), the copied pictures of the number larger than said (m) are outputted